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DERWENT-ACC-NO: 1992-187784
DERWENT-WEEK: 199940

TITLE: Pneumatic tyre prodn. using rubber cement on spliced surfaces - of rubber compsn. contg. styrene!-butadiene! copolymer rubber, and bonding together both ends, then vulcanisation moulding

PRIORITY-DATA: 1990JP-0239985 (September 12, 1990)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 04119830 A	April 21, 1992		005	B29D030/08
JP 2939651 B2	August 25, 1999		006	B29D030/08

INT-CL (IPC): B29D 30/08; B29D 30/46; B29D 30/52; B29K 9/06

ABSTRACTED-PUB-NO: JP 04119830A
BASIC-ABSTRACT:

A rubber compsn. contg. a styrene-butadiene copolymer rubber with a styrene content of 30 wt.% or higher is extrusion moulded into a tyre tread constitution material. The constitution material is cut to a given length. Both end portions of the material are spliced to be made into a ring-shape. The tyre tread constitution material is cut with a knife heated at 100 to 300 deg. C so that splice surfaces are produced. A rubber cement having a tack value of at least 400 g/cm is coated onto the spliced surfaces and dried so that the solvents contained in the cement are removed. The splice surfaces at both ends are bonded to each other so that a green tyre is formed. The green tyre is vulcanisation moulded.

The rubber cement contains a rubber compsn. which comprises SBR, C black, Zn powder, stearic acid, aromatic oil, S, alkylacetylene resin, etc.. The rubber compsn. is dissolved in rubber volatile oil.

USE/ADVANTAGE - Used for pneumatic tyres. The work for bonding both ends of the tread constitution material is easily carried out and the bonding strength is high, due to the rubber cement.